

SEQUENCE LISTING

<110> O'Keefe, Theresa
Rao, Pat

<120> HYBRID ANTIBODIES AND USES THEREOF

<130> 10448-039001

<150> 60/265,914

<151> 2001-02-02

<160> 26

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<400> 1

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Gly

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 His Ser Tyr Val Ser Ser Phe Asn Val
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 Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys Ser Arg
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 Trp Gly Gln Gly Thr Thr Val Thr Val Ser
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<400> 11
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 Thr Val Ile Ile Ser Cys
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<210> 12
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<400> 12
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<210> 13
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 <212> PRT
 <213> Rattus norvegicus

<400> 13
 Gly Val Pro Asp Arg Phe Ser Gly Ser Ile Asp Arg Ser Ser Asn Ser
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 Ala Ser Leu Thr Ile Ser Gly Leu Gln Thr Glu Asp Glu Ala Asp Tyr
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 Tyr Cys

<210> 14
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 <213> Rattus norvegicus

<400> 14
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<210> 15
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetically generated peptide

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 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
 35 40 45

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Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
 50 55 60
 Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
 65 70 75 80
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 85 90 95
 Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
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 aca gtc att att tct tgc aca ctc agc tct ggt aac ata gaa aac aac 96
 Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
 20 25 30
 tat gtg cac tgg tac cag caa agg ccg gga aga gct ccc acc ctc gtg 144
 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
 35 40 45
 att ttc gat gat gat aag aga ccg gat ggt gtc cct gac agg ttc tct 192
 Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
 50 55 60
 ggc tcc att gac agg tct tcc aac tca gcc tcc ctg aca atc agt ggt 240
 Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
 65 70 75 80
 ctg caa act gaa gat gaa gct gac tac tac tgt cat tct tat gtt agt 288
 Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
 85 90 95
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 100 105 110

<210> 17
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 <212> PRT
 <213> Rattus norvegicus

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 20 25 30
 Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95
 Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly
 100 105 110
 Thr Thr Val Thr Val Ser Ser
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<210> 18
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 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> CDS
 <222> (1)...(357)

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 tcc atg aaa ctc tcc tgt gca gcc tca gga ttc act ttc agt agc ttt 96
 Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
 20 25 30

 cca atg gcc tgg gtc cgc cag gct cca aag aag ggt ctg gag tgg gtc 144
 Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val
 35 40 45

 gca acc att agt act agt ggt ggt aga act tac tat cga gac tcc gtg 192
 Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val
 50 55 60

 aag ggc cga ttc act atc tcc aga gat aat ggg aaa agc atc cta tac 240
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr
 65 70 75 80

 ctg caa atg aat agt ctg agg tct gag gac acg gcc act tat tac tgt 288
 Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95

 tca aga ttt cgg cag tac agt ggt ggc ttt gat tac tgg ggc caa ggg 336
 Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly
 100 105 110

 acc acg gtc acc gtc agc tca 357
 Thr Thr Val Thr Val Ser Ser
 115

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<210> 19
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 <212> DNA
 <213> Rattus norvegicus

<400> 19
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 <212> DNA
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<210> 21
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<400> 21
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<210> 22
 <211> 39
 <212> DNA
 <213> Rattus norvegicus

<400> 22
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<210> 23
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 <212> DNA
 <213> Rattus norvegicus

<400> 23
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<210> 24
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 <212> DNA
 <213> Rattus norvegicus

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<210> 25
 <211> 310
 <212> PRT
 <213> Homo sapiens

<400> 25
 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

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1 5 10 15
 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
 20 25 30
 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
 35 40 45
 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
 50 55 60
 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
 65 70 75 80
 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
 85 90 95
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
 100 105 110
 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
 115 120 125
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 130 135 140
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
 145 150 155 160
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 165 170 175
 Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 180 185 190
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 195 200 205
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 210 215 220
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
 225 230 235 240
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 245 250 255
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 260 265 270
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
 275 280 285
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Lys Ser Leu
 290 295 300
 Ser Leu Ser Pro Gly Lys
 305 310

<210> 26

<211> 993

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)...(990)

<400> 26

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 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
 1 5 10 15

48

agc acc tct ggg ggc aca gcg gcc ctg ggc tgc ctg gtc aag gac tac
 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
 20 25 30

96

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[illegible]

ccc agc gac atc gcc gtg gag tgg gag agc aat ggg cag ccg gag aac	816
Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn	
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aac tac aag acc acg cct ccc gtg ctg gac tcc gac ggc tcc ttc ttc	864
Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe	
275 280 285	
ctc tac agc aag ctc acc gtg gac aag agc agg tgg cag cag ggg aac	912
Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn	
290 295 300	
gtc ttc tca tgc tcc gtg atg cat gag gct ctg cac aac cac tac acg	960
Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr	
305 310 315 320	
cag aag agc ctc tcc ctg tct ccg ggt aaa tga	993
Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys	
325 330	

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